

LISTING OF CLAIMS

Claim 1 (Currently Amended): Thermoplastic polyester compositions comprising, by weight:

(i) from 60 to 98% by weight of a thermoplastic component consisting of a thermoplastic polyester; and

(ii) from 2 to 40% by weight of an impact modifier consisting of:

(a) a core-shell copolymer (A); wherein the core consists of one or more polymers selected from the group consisting of isoprene homopolymers, butadiene homopolymers, copolymers of isoprene with at most 30 mol% of a vinyl monomer, and copolymers of butadiene with at most 30 mol% of a vinyl monomer, and copolymers of alkyl (meth)acrylate with more than 0 mol% and at most 30 mol% of a vinyl monomer, the vinyl monomer in the core being selected from the group consisting of a styrene, an alkylstyrene and an alkyl (meth)acrylate; further wherein the shell consists of one or more polymers selected from the group consisting of styrene homopolymers, alkylstyrene homopolymers, methyl methacrylate homopolymers, and copolymers consisting of at least 70 mol% of a styrene, alkyl styrene or methyl methacrylate with at most 30 mol% of a vinyl acetate; and

(b) an ethylene copolymer (B) chosen from ethylene-unsaturated epoxide copolymers (B2);

~~(iii) the (B)/(A) ratio being between 40/60 and 10/90 for proportions of impact modifier between 18 and 40% in 82 to 60% of polyester, respectively;~~

~~(iv) the (B)/(A) (B2)/(A) ratio being between 40/60 and 25/75 for proportions of impact modifier between 2 and 18% in 98 to 82% of polyester, respectively[[:]]~~

~~wherein said impact modifier consisting of (A) and (B) provides the compositions with a higher Notched Charpy impact strength at -40°C and at +23°C than does an impact modifier consisting of (A) or (B) individually.~~

Claim 2 (Previously Presented): Compositions according to Claim 1, wherein the polyester is selected from PET and PBT.

Claim 3 (Previously Presented): Compositions according to Claim 1, comprising up to 30 parts by weight of copolyetherester per 100 parts of thermoplastic polyester.

Claim 4 (Withdrawn): Compositions according to Claim 1, comprising up to 30 parts by weight of polycarbonate per 100 parts of thermoplastic polyester.

Claim 5 (Previously Presented): Compositions according to Claim 1, wherein the copolymer (A) comprises an elastomer core and at least one thermoplastic shell.

Claim 6 (Withdrawn): Compositions according to Claim 1, wherein the copolymers (B1) are ethylene-alkyl (meth)acrylate-maleic anhydride copolymers which comprise from 0.2 to 10% by weight of maleic anhydride and from 0 to 40% by weight of alkyl (meth)acrylate.

Claim 7 (Previously Presented): Compositions according to Claim 1, wherein the ethylene-unsaturated epoxide copolymers (B2) are ethylene-alkyl (meth)acrylate-unsaturated epoxide copolymers obtained by copolymerization of the monomers and contain from 0 to 40% by weight of alkyl (meth)acrylate and up to 10% by weight of unsaturated epoxide.

Claim 8 (Previously Presented): Compositions according to Claim 1, comprising, per 100 parts by weight, 75 to 95 parts of polyester for 25 to 5 parts of impact modifier, respectively.

Claim 9 (Currently Amended): Compositions according to Claim 1, wherein the proportions of (A) and ~~(B)~~ (B2) are that the ~~(B)/(A)~~ (B2)/(A) is between 40/60 and 25/75, whatever the amount of impact modifier in the polyester.

Claim 10 (Withdrawn): Impact-modifier compositions comprising:
(a) a core-shell copolymer (A);

(b) an ethylene copolymer (B) selected from ethylene-unsaturated carboxylic acid anhydride copolymers (B1), ethylene-unsaturated epoxide copolymers (B2) and blends thereof;

the (B)/(A) ratio being between 40/60 and 10/90 for proportions of impact modifier between 18 and 40% in 82 to 60% of polyester, respectively,

the (B)/(A) ratio being between 40/60 and 25/75 for proportions of impact modifier between 2 and 18% in 98 to 82% of polyester, respectively, and advantageously between 5 and 18% in 95 to 82% of polyester, respectively.

Claim 11 (Withdrawn): Compositions according to Claim 6, wherein the amount of alkyl (meth)acrylate is 5 to 40% by weight.

Claim 12 (Previously Presented): Compositions according to claim 1, wherein the compositions consist of the thermoplastic polyester and the impact modifier.

Claim 13 (Cancelled)

Claim 14 (Withdrawn): A thermoplastic polyester composition comprising, by weight:

(i) a thermoplastic polyester; and

(ii) an impact modifier comprising:

(a) a core-shell copolymer (A); wherein the core consists of one or more polymers selected from the group consisting of isoprene homopolymers, butadiene homopolymers, copolymers of isoprene with at most 30 mol% of a vinyl monomer, and copolymers of butadiene with at most 30 mol% of a vinyl monomer, the vinyl monomer in the core being a styrene or an alkylstyrene; further wherein the shell consists of one or more polymers selected from the group consisting of styrene homopolymers, alkylstyrene homopolymers and copolymers consisting of at least 70 mol% of a styrene or an alkyl styrene with at most 30 mol% of a vinyl acetate; and

(b) an ethylene copolymer (B) chosen from ethylene-unsaturated carboxylic acid anhydride copolymers (B1);

wherein the (B1)/(A) ratio is between 40/60 and 10/90 for proportions of the impact modifier between 18 and 40% by weight of the thermoplastic polyester composition, further wherein the (B1)/(A) ratio is between 40/60 and 25/75 for proportions of the impact modifier between 2 and 18% by weight of the thermoplastic polyester composition.

Claim 15 (New): Thermoplastic polyester compositions comprising, by weight:

(i) from 60 to 98% by weight of a thermoplastic component consisting of a thermoplastic polyester; and

(ii) from 2 to 40% by weight of an impact modifier consisting of:

(a) a core-shell copolymer (A); wherein the core consists of one or more polymers selected from the group consisting of isoprene homopolymers, copolymers of isoprene with at most 30 mol% of a vinyl monomer selected from the group consisting of styrene, alkylstyrene and alkyl (meth)acrylate, copolymers of butadiene with at most 30 mol% of an alkyl (meth)acrylate, and copolymers of alkyl (meth)acrylate with more than 0 mol% and at most 30 mol% of a vinyl monomer selected from the group consisting of styrene and alkylstyrene; further wherein the shell consists of one or more polymers selected from the group consisting of styrene homopolymers, alkylstyrene homopolymers, methyl methacrylate homopolymers, and copolymers consisting of at least 70 mol% of a styrene, alkyl styrene or methyl methacrylate with at most 30 mol% of a vinyl acetate; and

(b) an ethylene copolymer (B) chosen from ethylene-unsaturated epoxide copolymers (B2);

(iii) the (B2)/(A) ratio being between 40/60 and 10/90 for proportions of impact modifier between 18 and 40% in 82 to 60% of polyester, respectively;

(iv) the (B2)/(A) ratio being between 40/60 and 25/75 for proportions of impact modifier between 2 and 18% in 98 to 82% of polyester, respectively.